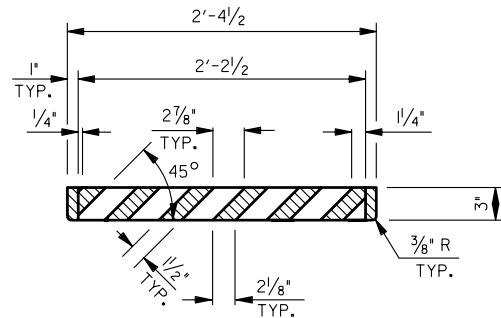
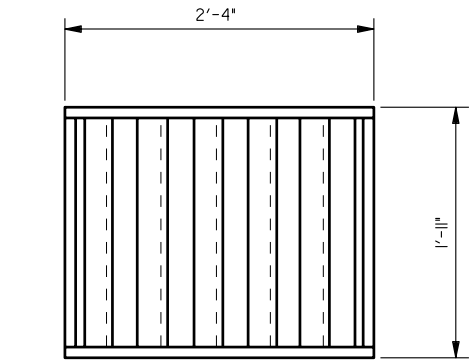
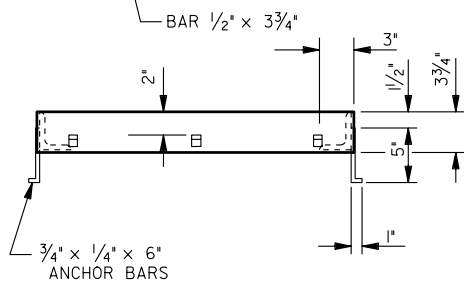
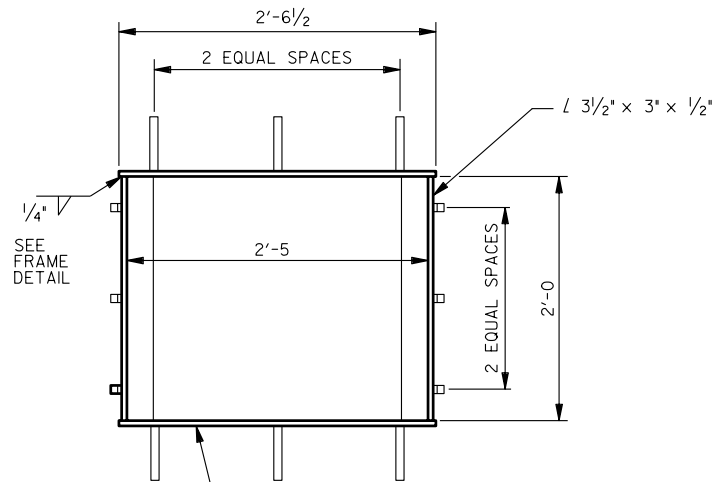


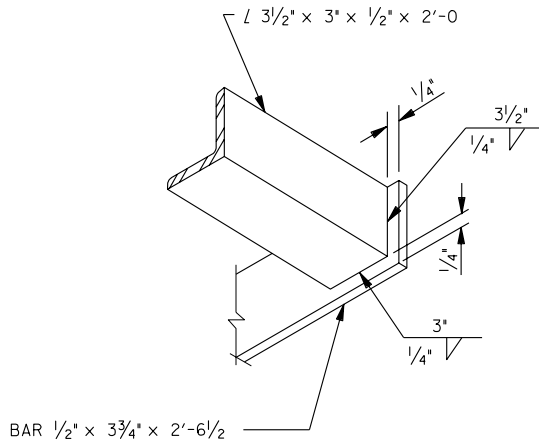
D:\15-DEC-2004\15-DEC-2004\Standard Drawings\Imperial\2005\Approved\Grates Frames and Trash Racks\GF\Gr09.dgn



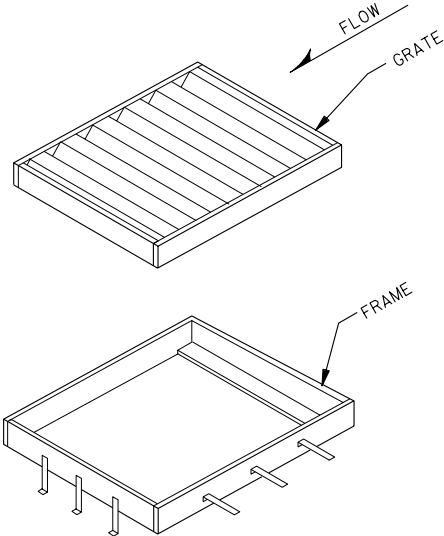
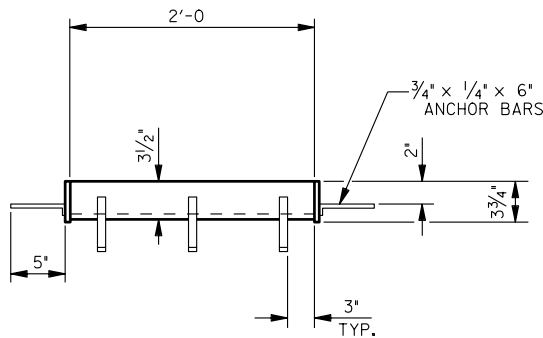
GRATE
GRATE WEIGHT = 410 LBS.



FRAME
FRAME WEIGHT = 77 LBS.



FRAME DETAIL



NOTES:

1. HOT-DIP GALVANIZE GRATING AND FRAME AFTER FABRICATION IN ACCORDANCE WITH AASHTO DESIGNATION M 111.
2. USE STRUCTURAL CARBON STEEL CONFORMING TO AASHTO DESIGNATION M 270, GRADE 36 FOR STRUCTURAL STEEL GRATING.
3. SEE ROADWAY PLANS FOR LOCATION AND NUMBER OF GRATES REQUIRED.
4. WELD ALL JOINTS WITH A 1/4" FILLET WELD UNLESS NOTED OTHERWISE.
5. ORIENT GRATE WITH DIRECTION OF FLOW.

DESIGN DATA

GRATE AND FRAME: MEET HS 20-44 LOADING OR INTERSTATE ALTERNATE LOADING IN ACCORDANCE WITH AASHTO SPECIFICATIONS WHICH ARE IN EFFECT AT DATE OF REQUEST FOR BIDS.

STRUCTURAL STEEL: $F_s=24,000\text{psi}$

UTAH DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

SALT LAKE COUNTY, UTAH

RECOMMENDED FOR APPROVAL

CHAIRMAN STANDARDS COMMITTEE

APPROVED

DEPUTY DIRECTOR

28" x 24"
DIRECTIONAL FLOW
GRATE AND FRAME

STANDARD DRAWING TITLE

STD DWG

GF 9

REVISIONS

REMARKS

DATE

NO.

APPR.

DATE

DATE